

ACT Progress Report
NA160C2473
May 1, 2007-October 31, 2007

Technology Evaluations:

(1) ACT completed field tests for a Demonstration of In Situ Nutrient Analyzers. Tom Johengen led/oversaw the collection of performance data at four ACT partner sites (CBL, MLML, UAF, UM). Final reports will be released to the public in March 2008.

(2) Initiated a Verification of Conductivity and Temperature Sensors for In Situ Measures of Salinity as selected by Board/Stakeholders. A Customer Needs and Use Assessments (CNUA) on in situ salinity sensors using an online survey company was completed and report released to the public. Applications from manufactures have been received and Technical Advisory Committee established.

(3) Initiate a Demonstration of pCO₂ Sensors based on recommendation from the recent ACT/UH workshop and the significance of ocean acidification. Applications from manufactures have been received and Technical Advisory Committee established.

Technology Workshops:

(4) An ACT Workshop on Biological Platforms for Sensor Technologies was held by UAF/ASLC on September 19-21 in Alaska. The Workshop Report is currently being drafted

(5) Invitations for the ACT Workshop on State of Technology for In Situ Measures os Salinity Using Conductive Temperature Sensors have been sent out. The workshop is planned for December 3-5 at SkIO.

Technology Database:

(6) The ACT online searchable technology database has been expanded with now well over 4000 instruments listed from nearly 350 manufactures worldwide. New technology categories and listings are continuously added.

Special Projects:

(7) ACT aided NDBC and USACE in the development of the IOOS Operational Wave Observation Plan. ACT drafted sections of the Plan on Technology Test and Evaluation and Technology Training, and ACT organized/hosted a Review Panel to critique the Plan in Atlanta on August 20-21, 2007. ACT then finalized/formatted the Plan that was submitted to IOOS in September 2007 by NDBC/USACE.

Outreach/Extension:

(8) The Fall/Winter *Sensor* newsletter was released in September 2007.

(9) The ACT website continues to be redesigned with a new structure and added features/information. The Board and Stakeholders Council will be asked to review drafts of the updated website prior to release in late October 2007.

(10) All ACT Partners are continuing with Regional Outreach as planned, emphasizing links with local RAs. For example:

a. ACT West Coast Regional Partner (MLML) sponsored a booth at Coastal Zone 2007 in Portland, Oregon, July 22 to 26.

b. ACT Southeast Partner (USF) displayed an ACT kiosk and discussed the program's services, etc., at Marine Science Day, October 13, 2007.

c. ACT Northeast Regional Partner (GoMOOS) sponsored a booth at the Estuarine Research Federations (ERF) conference in Providence, Rhode Island, November 2007.